

AMENDMENTS TO THE CLAIMS

Please amend the Claims as follows. Deletions are ~~struck through~~.

1 (canceled)

2 (canceled)

3 (canceled)

4 (canceled)

5 (canceled)

6 (canceled)

7 (canceled)

8 (canceled)

9 (canceled)

10 (canceled)

11 (original): A secondary battery comprising a positive electrode, a negative electrode, a separator, and a non-aqueous electrolyte containing lithium salt and having a flat shape.

12 (original): The non-aqueous secondary battery according to Claim 11, wherein
when a pressure of 2.5 kg/cm^2 is applied to the direction of thickness of the separator, the thickness A of the separator is not less than 0.02 mm and not more than 0.15 mm and the porosity of the separator is 40% or higher, and

when the absolute value of a change rate of the thickness (mm) of the separator relative to the pressure (kg/cm^2) applied to the direction of thickness of the separator is defined as B ($\text{mm}/(\text{kg/cm}^2)$), the pressure F which renders $B/A=1$ is not less than 0.05 kg/cm^2 and not more than 1 kg/cm^2 .

13 (original): The non-aqueous secondary battery according to Claim 11, wherein
the separator has a first separator and a second separator different from the first separator,
when a pressure of 2.5 kg/cm^2 is applied to the direction of thickness of the separator, the thickness A of the first separator is not less than 0.02 mm and not more than 0.15 mm and the porosity of the first separator is 40% or higher, and

when the absolute value of a change rate of the thickness (mm) of the first separator relative to the pressure (kg/cm^2) applied to the direction of thickness of the first separator is defined as B ($\text{mm}/(\text{kg/cm}^2)$), the pressure F which renders $B/A=1$ is not less than 0.05 kg/cm^2 and not more than 1 kg/cm^2 , and

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the second separator is a micro-porous film having a thickness of 0.05 mm or less, a pore diameter of 5 mm or less, and a porosity of 25% or more.

14 (original): The non-aqueous secondary battery according to Claim 11, wherein the separator is bonded with the positive electrode and/or the negative electrode.

15 (original): The non-aqueous secondary battery according to Claim 14, wherein the separator is bonded with the positive electrode and the negative electrode by fusing part of the separator and, passages for the non-aqueous electrolyte are formed to penetrate the separator from the front side surface to the rear side surface thereof.

16 (original): The non-aqueous secondary battery according to any one of Claims 12 to 15, wherein the non-aqueous secondary battery has a flat shape with a thickness of less than 12 mm and is at least 30Wh in energy capacity and at least 180 Wh/l in volume energy density.

17 (original): The non-aqueous secondary battery according to any one of Claims 12 to 16, wherein the front side and the rear side of the flat shape are rectangular.

18 (original): The non-aqueous secondary battery according to any one of Claims 12 to 16, wherein the wall thickness of a battery case of the non-aqueous secondary battery is not less than 0.2 and not more than 1 mm.

19 (original): The non-aqueous secondary battery according to any one of Claims 12 to 15, wherein the separator is made of a material comprising at least one of polyethylene or polypropylene as a main component.

20 (original): The non-aqueous secondary battery according to Claim 12, wherein the separator is made of non-woven fabric.

21 (currently amended): The non-aqueous secondary battery according to Claim 20, wherein the unit weight of the separator is not less than 5 ~~and~~ g/m² and not more than 30 g/cm².

22 (original): The non-aqueous secondary battery according to Claim 13, wherein the first separator is made of non-woven fabric.

23 (currently amended): The non-aqueous secondary battery according to Claim 22, wherein the unit weight of the first separator is not less than 5 ~~and~~ g/m² and not more than 30 g/m².

24 (original): The non-aqueous secondary battery according to Claim 13, wherein the first and second separators are joined together integrally.

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25 (original): The non-aqueous secondary battery according to Claim 13, wherein the material of the first separator is different from that of the second separator.

26 (original): The non-aqueous secondary battery according to Claim 13, wherein at least one of the first and second separators contain polyethylene.

27 (canceled)

28 (canceled)

29 (canceled)

30 (original): A secondary battery for a energy storage system, comprising positive and negative terminals for charge and discharge provided on the battery case and operation-parameter measuring electrodes extending from different portions of the battery to the outside of the battery case for measurement of the operation parameters in the battery.